

# Aaren Z. Pan

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## EDUCATION

### The Pennsylvania State University

*Bachelor of Science in Computer Science*

University Park, PA

*Anticipated Graduation: May 2028*

## EXPERIENCE

### Software Development Engineer in Test Intern

Jun. 2025 – Present

*Transmitio LLC*

*Remote*

- Automated critical ERM workflows using **Python** and **Selenium**, reducing manual testing by **70%**
- Analyzed system behavior to identify and implement **10+ high-priority test cases**
- Authored detailed documentation for each test to support team reuse and future scaling
- Configured test scripts for containerized execution using **Docker** and GitLab CI/CD
- Collaborated via **GitLab**, contributing **10+ commits** and submitting multiple merge requests

### Communications Chair

Mar. 2025 – Present

*The Pennsylvania State University | FJSA*

*University Park, PA*

- Manage various social media accounts such as Instagram, Discord, Linked and led further communications through GroupMe and WeChat
- Communicate with over **ten organizations** within Penn State and the Asian community to plan collaborative events
- Collaborate closely with club secretary and graphics designer to ensure communications runs smoothly

### Software Developer

Feb. 2025 – Present

*The Pennsylvania State University | HackPSU*

*University Park, PA*

- Collaborated with a team of over ten developers to organize Penn State's largest semesterly hackathon
- Managed and developed software infrastructure to ensure a smooth experience for over **700 unique participants**
- Designed a webpage utilizing **Typescript, HTML, Tailwind, NextJS 13, and Yarn**
- Built a **filter chaining system** for HackPSU's finance page, resulting in an **60% increase in searching efficiency**
- Contribute to **5+ pull requests**, resulting in a **20% increase in engagement** for the overall website

### Restaurant Employee

Jan. 2017 – May 2023

*Forbidden City Restaurant*

*Chattanooga, TN*

- Managed customer payments and pick-up orders using the KwickPOS point-of-sale system
- Provided exceptional customer service by seating and serving **200+ customers** on a daily basis
- Collaborated with coworkers to maintain a clean, organized, and sanitary dining environment
- Assisted waiters and waitresses by bussing tables during rush hours

## PROJECTS

### Quackademic Notes | *Python, Javascript, HTML/CSS, Flask*

Oct. 2024

- Developed a full-stack web note-taking application using **Python and Flask** as the backend
- Built a collaborative UI with light/dark mode toggle using **JavaScript, HTML/CSS**
- Implemented **OpenAI API** to incorporate an assistant gen-AI helper for users

### Elevens, Card Game | *Java, Eclipse*

Apr. 2024

- Programmed a card game using Java and designed an interactive GUI

### Shoe Warehouse/Inventory | *Java, Eclipse*

Feb. 2024

- Created a Java program to sort shoes by type, style, size, and assign catalog numbers
- Handled user input with Java's Scanner class

## TECHNICAL SKILLS

**Languages:** Python, Javascript, TypeScript, HTML/CSS, Java

**Frameworks:** Flask, Next.js

**Developer Tools:** Git, GitHub, GitLab, Firebase, VS Code, BlueJ, Eclipse, Docker, Yarn, pnpm, npm, Vercel, Selenium

**Libraries:** React Query, React Table, React Hook Form, Material UI, Tailwind CSS